

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

TITLE V PROPOSED PERMIT No. V-06-053
AMERICAN ELECTRIC POWER
BIG SANDY POWER PLANT
LOUISA, KY
APRIL 5, 2007
MARTHA M. ALLMAN, REVIEWER

SOURCE PLANT I.D. #:	21-127-00003
SOURCE A.I. #:	2610
ACTIVITY APPLICATION LOG #:	APE20040001

SOURCE DESCRIPTION:

A renewal Title V operating permit application was received on June 17, 2004 from American Electric Power (AEP) for its Big Sandy Power Plant located near Louisa, Kentucky in Lawrence County. The submittal included a Compliance Assurance Monitoring (CAM) plan. A revised CAM plan was filed on April 20, 2006. The application was deemed administratively complete on September 11, 2004.

The Big Sandy Power Plant is a fossil fuel-fired electric generation facility that provides retail and wholesale electricity. The facility consists of two (2) coal-fired steam generators with a rated design capacity of 2512 MMBtu/hr (260 MW) and 7914 MMBtu/hr (800 MW), both with back-up #2 fuel oil capability, an oil-fired auxiliary boiler rated at 642 MMBtu/hr, various supporting operations including coal and ash handling, and various tanks with insignificant emissions.

PUBLIC AND U.S. EPA REVIEW:

On January 24, 2007, the public notice on availability of the draft permit and supporting material for comments by persons affected by the plant was published in *The Big Sandy News* published in Louisa, Kentucky. The public comment period expired 30 days from the date of publication.

COMMENT RECEIVED:

Comments were received from American Electric Power on February 28, 2007. Attachment B to this document lists the comments received and the Division's response to each comment. Minor changes were made to the permit as a result of the comments received, however, in no case were any emissions standards, or any monitoring, recordkeeping or reporting requirements relaxed. Please see Attachment B for a detailed explanation of the changes made to the permit. The U.S. EPA has 45 days to comment on this proposed permit.